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Substitute for form 1449/PTO				Complete if Known			
				Application Number	10/799,177		
l IN	IFORMATION	1 DI	SCLOSURE	Filing Date	March 12, 2004		
STATEMENT BY APPLICANT				First Named Inventor	David S. Pearson		
				Art Unit	2435		
(Use as many sheets as necessary)				Examiner Name	Hosuk Song		
Sheet	1	of	2	Attorney Docket Number	BBNT-P01-015		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		5,157,461	10-20-1992	Page		
		6,160,627	12-12-2000	Ahn et al.		
		6,208,935	03-27-2001	Yamada et al.		
		6,438,234	08-20-2002	Gisin et al.		
		6,556,544	04-29-2003	Lee		
		6,720,589	04-13-2004	Shields		
		6,721,269	04-13-2004	Cao et al.		
		6,873,797	03-29-2005	Chang et al.		
		6,934,472	08-23-2005	Chang et al.		
		7,068,790	06-27-2006	Elliott		
		2003/0137944	07-24-2003	Medvinsky		
		2003/0180042	09-25-2003	Nelles et al.		
		2004/0032954	02-19-2004	Bonfrate et al.		
		2004/0109564	06-10-2004	Cerf et al.		
		2004/0136321	07-15-2004	Ren et al.		
		2006/0252381	11-09-2006	Sasaoka et al.		

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Date Name of Patente		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T^6		
		WO 96/07951	03-14-1996	British Telecommunications				

Examiner	Date	
Signature	Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)					Application Number				
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					Art Unit	2435			
					Examiner Name		Hosuk Song		
Sheet		2	of	2	Attorney Docket Number	BBNT-PC	BBNT-P01-015		
	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No. ¹								
		Galindo et al., "Information and computation: Classical and quantum aspects," May 8, 2002, http://prola.aps.org/.							
		Gisin, N. et a., "Quantum cryptography", Reviews of Modern Physics, 74:145-195, January 2002.							
		Gisin, N. "Quantum Cryptography on Noisy Channels: Quantum versus Classical Key- Agreement Protocols," The American Physical Society, Physical Review Letters, Vol. 83, No. 20, pp. 4200-4203, November 1999.							
		Huang, N., "A Novel IP-Routing Lookup Scheme and Hardware Architecture for Multigigabit Switching Routers," IEE Journal of Selected Areas in Communication, Vol. 17, No. 6, pp. 1093-1104, June 1999.							
		Hughes, et al., "Practical quantum key distribution over a 48-km optical fiber network", Los Alamos National Laboratory, April 8, 1999, http://arxiv.org/abs/quant-ph/9904038.							
		Liu, S., et al., "A Practical Protocol For Advantage Distillation and Information Reconciliation", Designs, Codes & Cryptography, Vol. 30, No. 1, pp. 39-62, August 2003.							
		Mauer, U.M., et al., "Unconditionally Secure Key Agreement and The Intrinsic Conditional Information", IEEE Transactions on Information Theory, Vol. 45, No. 2, pp. 499-514, March 1999.							
		Merolla et al., "Quantum cryptographic device using single-photon phase modulation," Physical Review A, Vol. 60, No. 3, September 1999.							
		Nambu, Y. et al., "BB84 Quantum Key Distribution System based on Silica-Based Planar Lightwave Circuits", Japan Journal of Applied Physics, Vol. 43, No. 8B, pp. 1-11, April 2004.							
		Tittel et al., "Quantum Cryptography Using Entangled Photons In Energy-Time Bell States," "Physical Review Letters, Vol. 84, No. 20, pp. 4737-4740, May 2000.							
		Zhang, Xian-Mo and Zhen, Yuliang, "Cryptographically Resilient Functions", IEE Transactions on Information Theory, Vol. 43, No. 5, pp. 1740-1747, September 1997. Found at: http://ieeexplore.ieee.org/iei3/18/13537/00623184.pdf?tp+&arnumber=623184&isnumber=1351 .							
		Office Action issued 9/26/2007 in 10/716,078							
		Office Action issued 10/29/2007 in 10/786,314							
		Office Action issued 10/11/2007 in 10/795,398							
		Office Action issued 3/27/2008 in 10/799,177							
		Office Action issued 10/05/2005 in 09/944,328							
		Office Action issued on 3/31/2005 in 09/943,709							
		Office action issued on 10/06/2005 in 09/943,709							
Office action issued on 11/17/2006 in 09/944,328									
				ued on 2/15/2006 in 10/2				<u> </u>	
		T		ued on 8/8/2006 in 10/2	· ·			<u> </u>	
<u> </u>		Office action	on issu	ued on 11/26/2007 in 10			Т		
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